

C L A I M S

- 1 1. An optical waveguide, comprising a core, said core being
2 doped with laser-active ions, said core being additionally doped with Cer.
- 2 2. An optical waveguide as defined in claim 1, wherein said
doping with Cer constitutes 5-200% of a concentration of the laser-active
ions in mol %.
- 3 3. An optical waveguide as defined in claim 1, wherein the
waveguide is formed as a silicate fiber, said core being codoped also for
adjusting a refraction index profile.
- 1 4. An optical amplifier, comprising a component which is an
2 optical waveguide, said optical waveguide including a core, said core being
3 doped with laser-active ions, said core being additionally doped with Cer.

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5. An optical power amplifier, comprising a component which
is an optical waveguide, including a core, said core being doped with laser-
active ions, said core being additionally doped with Cer.

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6. A laser, comprising an optical waveguide including a core,
said core being doped with laser-active ions, said core being additionally
doped with Cer.

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7. An optical device which is used under radiation loading,
comprising an optical waveguide including a core, said core being doped with
laser-active ions, said core being additionally doped with Cer.